

PTO/SB/08A (07-05)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

Complete if Known

Application Number	10/823,400
Filing Date	April 13, 2004
First Named Inventor	Ralph Bauer
Art Unit	1775
Examiner Name	UNASSIGNED
Attorney Docket Number	1035-A4363

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/TY/	A1	US- 3,108,888	10/29/1963	Bugosh	
	B1	US-			
	C1	US-			
	D1	US-			
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	G1	US-			
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	M1	US-			
	N1	US-			
	O1	US-			
	P1	US-			
	Q1	US-			
	R1	US-			
	S1	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code ² Number ² Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴
	T1					
	U1					
	V1					
	W1					
	X1					
	Y1					

Examiner Signature	/Tae Yoon/	Date Considered	03/17/2007
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Application Number	10/823,400
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First Named Inventor	Ralph Bauer
Art Unit	1714
Examiner Name	Tae H. Yoon
Attorney Docket Number	1055-A4363

U. S. PATENT DOCUMENTS					
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/TY/	A1	US- 3,357,791	12/12/1967	Napier	
/TY/	B1	US- 2005/0124745 A1	06/09/2005	Bauer et al.	
/TY/	C1	US- 5,900,449	05/04/1999	Custodero et al.	
/TY/	D1	US- 2003/0202923 A1	10/30/2003	Custodero et al.	
/TY/	E1	US- 2002/0004549 A1	01/10/2002	Custodero et al.	
/TY/	F1	US- 6,610,261 B1	08/26/2003	Custodero et al.	
/TY/	G1	US- 2004/166324 A1	08/26/2004	Hiroyuki et al.	
/TY/	H1	US- 6,440,187 B1	08/27/2002	Kasai et al.	
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	J1	US-			
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	M1	US-			
	N1	US-			
	O1	US-			
	P1	US-			
	Q1	US-			
	R1	US-			
	S1	US-			

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/TY/	T1	EP 1 323 775 A1	07/02/2003	JSR Corporation		
/TY/	U1	WO 2005/100244 A2	10/27/2005	Saint-Gobain Ceramics		
/TY/	V1	WO 2006/049863 A1	05/11/2006	Saint-Gobain Ceramics		
/TY/	W1	EP 0 304 721 A1	03/01/1989	Norton Company		
/TY/	X1	EP 1 256 599 A1	11/13/2002	Sumitomo Chem Co Ltd		
/TY/	Y1	EP 1 225 200 A2	07/24/2002	Bridgestone Corporation		

Examiner
Signature

/Tae Yoon/

Date
Considered

03/17/2007

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
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		Filing Date	April 13, 2004		
		First Named Inventor	Ralph Bauer		
		Art Unit	1714		
		Examiner Name	Tae H. Yoon		
Sheet	2	of	2	Attorney Docket Number	1055-A4363

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/TY/	A2	BOCCACCINI A. R. et al; "Alumina Ceramics Based on Seeded Boehmite and Electrophoretic Deposition"; Ceramics International; Elsevier; Amsterdam, NL; Vol. 28, No. 8; 2002; pgs 893-897	
	B2		
	C2		
	D2		
	E2		
	F2		
	G2		
	H2		
	I2		
	J2		

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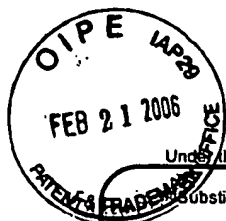


LIST OF RELATED APPLICATIONS

Application No.	Filing Date	Applicant(s)	Docket No.
10/414,590	04/16/2003	BAUER et al.	1055-A4098
10/978,286	10/29/2004	BAUER et al.	1055-A4383
10/845,764	05/14/2004	BAUER et al.	1055-A4384
10/992,477	11/18/2004	BAUER et al.	1055-A4443
11/269,508	11/08/2005	BIANCHI et al.	1055-A4467
11/288,945	11/29/2005	GUISELIN et al.	1055-A4481-US

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Application Number	10/823,400
Filing Date	04/13/2004
First Named Inventor	Ralph Bauer
Art Unit	1775
Examiner Name	UNASSIGNED
Attorney Docket Number	1055-A4363

Sheet 1 of 1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/TY/	AA	US- 6,576,324 B2	06/10/2003	Yoshino et al.	
	AB	US-			
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
	AJ	US-			
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	AM	US-			
	AN	US-			
	AO	US-			
	AP	US-			
	AQ	US-			
	AR	US-			
	AS	US-			

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/TY/	AT	JP2000-239014	09/05/2000	Kawai Sekkai Kogyo KK	English Abstract	
/TY/	AU	SU 267,064 A	07/16/1970		Cited in RU OA	
/TY/	AV	WO 97/23566	07/03/1997	BASF Magnetis GMBH	English Abstract	
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	AX					
	AY					

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Signature

/Tae Yoon/

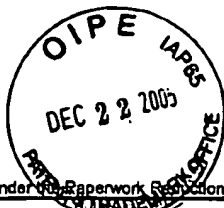
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/TY/	A1	US- 6,440,552	08/27/2002	KAZUHISA, et al.	
/TY/	B1	US- 2003/197300 A1	10/23/2003	HUI, et al.	
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	R1	US-			
	S1	US-			

FOREIGN PATENT DOCUMENTS

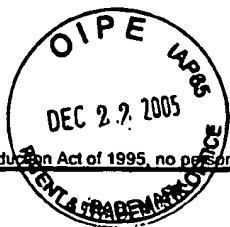
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/TY/	T1	WO 95/11270	04/27/1995	VISTA CHEMICAL CO.		
/TY/	U1	JP 2001 207077	07/31/2001	DERWENT PUB. LTD		
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	W1					
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Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

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	A2	ANONYMOUS: "High Purity Dispersible Alumina"; URL: http://www.sasol.com/sasol_internet/downloads/DISPERAL-DISPAL_I055338543391.pdf abstract: tables 1.2	
/TY/	B2	Fisch, H., et al., "Hybrid Materials Based On Polymer Matrices & Organic Components", NTIS, Germany 1994	
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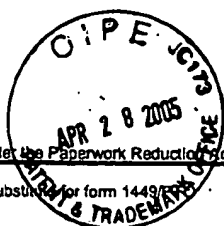
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/TY/	AB	US- 6,403,007 B1	06/11/2002	Kido et al.	
/TY/	AC	US- 5,413,985	05/09/1995	Thome et al.	
/TY/	AD	US- 6,689,432 B2	02/10/2004	Kitamura et al.	
/TY/	AE	US- 6,706,660 B2	03/16/2004	Park	
/TY/	AF	US- 6,143,816	11/7/2000	Prescher, et al.	
/TY/	AG	US- 2,763,620	09/18/1956	Bugosh	
/TY/	AH	US- 2,915,475	12/01/1959	Bugosh	
/TY/	AI	US- 3,385,663	05/28/1968	Hughes	
/TY/	AJ	US- 4,117,105	09/26/1978	Hertzengerg et al.	
/TY/	AK	US- 4,344,928	08/17/1982	Dupin et al.	
/TY/	AL	US- 3,387,447	06/11/1968	Trammell et al.	
/TY/	AM	US- 4,120,943	10/17/1978	Iwaisakó et al.	
/TY/	AN	US- 5,401,703	03/28/1995	Fukuda	
/TY/	AO	US- 5,332,777	07/26/1994	Goetz et al.	
/TY/	AP	US- 5,306,680	04/26/1994	Fukuda	
/TY/	AQ	US- 4,492,682	01/08/1985	Trebillion	
/TY/	AR	US- 5,989,515	11/23/1999	Watanabe et al.	
/TY/	AS	US- 5,194,243	03/16/1993	Pearson, et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
/TY/	AT	EP 0 563 653 A1	10/06/1993	Fukuda et al.		
/TY/	AU	JP2001-180930	07/03/2001	Ono et al.	English Abstract	
/TY/	AV	JP2001-261976	09/26/2001	Inubushi et al.	English Abstract	
/TY/	AW	JP59193949	11/02/1984	Yamada et al.	English Abstract	
/TY/	AX	JP6322243	11/22/1994	Niinumadate et al.	English Abstract	
/TY/	AY	EP 0 896 021 A1	02/10/1999	De Witt, et al.		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2

of 3

Complete if Known

Application Number	10/823,400
Filing Date	April 13, 2004
First Named Inventor	Ralph Bauer
Art Unit	1775
Examiner Name	UNASSIGNED
Attorney Docket Number	1055-A4363

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/TY/	BA	US- 4,797,139	01/10/1989	Bauer	
/TY/	BB	US- 5,707,716	01/13/1998	Yoshino et al.	
/TY/	BC	US- 6,203,695 B1	03/20/2001	Harle et al.	
	BD	US-			
	BE	US-			
	BF	US-			
	BG	US-			
	BH	US-			
	BI	US-			
	BJ	US-			
	BK	US-			
	BL	US-			
	BM	US-			
	BN	US-			
	BO	US-			
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	BR	US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
/TY/	BT	JP05-279019	10/26/1993	Fukuda	English Abstract	
/TY/	BU	JP2003-054941	02/26/2003	Fujiyoshi et al.	English Abstract	
/TY/	BV	JP2003-238150	08/27/2003	Mitsunaka et al.	English Abstract	
/TY/	BW	JP2003-002642	01/08/2003	Hirai et al.	English Abstract	
/TY/	BX	EP 0 015 196	09/03/1980	Dupin et al.	English Abstract	
	BY					

Examiner
Signature

/Tae Yoon/

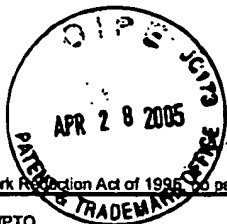
Date
Considered

03/17/2007

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete If Known

Application Number 10/823,400

Filing Date April 13, 2004

First Named Inventor Ralph Bauer

Art Unit 1775

Examiner Name UNASSIGNED

Attorney Docket Number 1055-A4363

Sheet 3 of 3

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/TY/	CA	Thomas J. Martin, Sasol Presentation given on - Functionalized Aluminas, NABALTECH, web page: http://www.nabaltec.de/seiten_d/boehmit_d/anwendungen/news_05_08_98.htm , 1998	
/TY/	CB	Zhu, H. Y., et al., "Growth of Boehmite Nanofibers by Assembling Nanoparticles with Surfactant Micelles", J. PHYS. CHEM. B., Vol. 108, pgs. 4245-4247, 2004.	
/TY/	CC	Buining et al., J. Am. Ceram. Soc. Vol. 74 [6], pp. 1303-1307. 1991	
	CD		
	CE		
	CF		
	CG		
	CH		
	CI		
	CJ		

Examiner Signature	/Tae Yoon/	Date Considered	03/17/2007
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/823,400
		Filing Date	04/13/2004
		First Named Inventor	Ralph Bauer, et al.
		Art Unit	1775
		Examiner Name	UNASSIGNED
Sheet 1 of 1	Attorney Docket Number	1055-A4363	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/TY/	A	US 5,550,180	08/27/1996	Elsik et al.	
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			
	N	US-			
	O	US-			
	P	US-			
	Q	US-			
	R	US-			
	S	US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ⁴ Number ⁵ Kind Code ⁶ (if known)				
	T					
	U					
	V					
	W					
	X					
	Y					

Examiner Signature	/Tae Yoon/	Date Considered	03/17/2007
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1
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Complete if Known

Application Number: NEW APPLICATION
Filing Date: HEREWITH
First Named Inventor: Ralph Bauer
Group Art Unit:
Examiner Name:
Attorney Docket Number: 1055-A4363

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. 1	U.S. Patent Document Number Kind Code 2 (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/TY/	AA	4,992,199	Meyer, et al.	02/12/1991	
/TY/	AB	4,946,666	Brown	08/07/1990	
/TY/	AC	6,413,308	B1 Xu, et al.	07/02/2002	
/TY/	AD	6,485,656	B1 Meyer, et al.	11/26/2002	
	AE				
	AF				
	AG				
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	AI				
	AJ				

FOREIGN PATENT DOCUMENTS

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PUBLICATIONS

Examiner Initials *	Cite No. 1	Title of Publication	Date of Publication of Cited Document MM-DD-YYYY
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	AX		
	AY		
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